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To: Examiner John F. Niebling Fax: 703-872-9306
 From: Magaret Chappuis Date: March 15, 2004
 E-mail: wryann@atmi.com Pages: 9 pages (including cover sheet)
 Re: U.S. Serial No. 10/623,244 cc:
 ATMI-567-DIV

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Lee Ann DiLello
March 15, 2004
 Date of Transmission

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OFFICIAL COMMUNICATION

Submission of Response to Non-Compliant Amendment (37 CFR 1.121) and Re-Submission of Preliminary Amendment

Please find the following documents enclosed:

Transmittal Form (1 pg)
 Response to Non-Compliant Amendment (37 CFR 1.121) (2 pgs)
 Preliminary Amendment (5 pgs)
 Facsimile Transmission Sheet (1 pg)

Please call 203-794-1100 ext. 4179 if there are any problems with this transmittal.

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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number

10/623,244

Filing Date

July 18, 2003

First Named Inventor

Jose Arna

Group Art Unit

2812

Examiner Name

John F. Niebling

Total Number of Pages in This Submission

Attorney Docket Number

ATMI-567-DIV

ENCLOSURES (check all that apply)

- Fee Transmittal Form
 - Fee Attached
- Amendment / Reply
 - After Final
 - Affidavits/declaration(s)
- Extension of Time Request
- Express Abandonment Request
- Information Disclosure Statement
- Certified Copy of Priority Document(s)
- Response to Missing Parts/ Incomplete Application
 - Response to Missing Parts under 37 CFR 1.52 or 1.53

- Assignment Papers (for an Application)
- Drawing(s)
- Licensing-related Papers
- Petition
- Petition to Convert to a Provisional Application
- Power of Attorney, Revocation Change of Correspondence Address
- Terminal Disclaimer
- Request for Refund
- CD, Number of CD(s)

Remarks

- After Allowance Communication to Group
- Appeal Communication to Board of Appeals and Interferences
- Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
- Proprietary Information
- Status Letter
- Other Enclosure(s) (please identify below):

Response to Notice to Non-Compliant Amendment (2 pgs)
 Preliminary Amendment (5 pgs)

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name

Margaret Chappuis, Reg. No. 45,735

Signature

Date

March 15, 2004

CERTIFICATE OF FACSIMILE TRANSMISSION (703) 872-9306

I hereby certify that this correspondence is being facsimile transmitted pursuant to 37 C.F.R. 1.6(d) addressed to:
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3/15/2004

Type or printed name

Lee Ann DiLello

Signature

Date

3/15/2004

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ATMI-567-DIV

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Jose I. Arno

Title : Infrared Thermopile Detector System For Semiconductor Process
Monitoring and Control

U.S. Serial No.: 10/623,244

Filing Date: July 18, 2003

Group Art Unit: 2812

Examiner: TBA

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OFFICIAL**CERTIFICATE OF FACSIMILE**

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Lee Ann DiLelloName of Person Mailing/Faxing DocumentLee Ann DiLello
Signature

March 15, 2004

Date**RESPONSE TO NON-COMPLIANT AMENDMENT (37 CFR 1.121)**

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P.O. Box 1450
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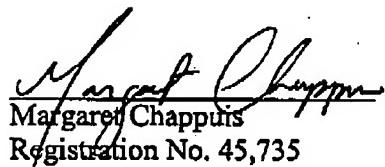
In response to the Notice of Non-Compliant Amendment dated February 19, 2004, Applicants have revised the attached Preliminary Amendment in compliance with 37 CFR 1.121. Please replace the Preliminary Amendment filed on December 9, 2003 with the attached revised Preliminary Amendment.

ATMI-567-DIV

Applicant does not believe that any fee is due in connection with the foregoing.

However, any deficiencies may be charged to the deposit account 50-0860.

Respectfully submitted,


Margaret Chappuis
Registration No. 45,735

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203 794-1100, Ext. 4184
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